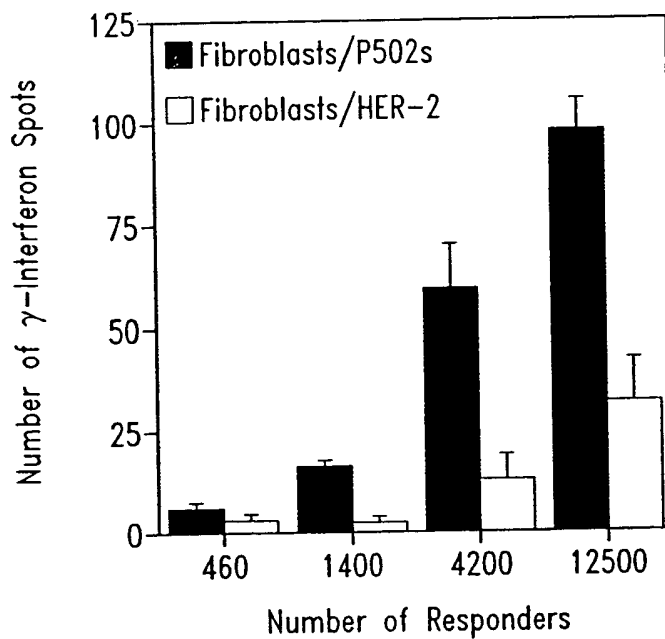


*Fig. 2A*



*Fig. 2B*

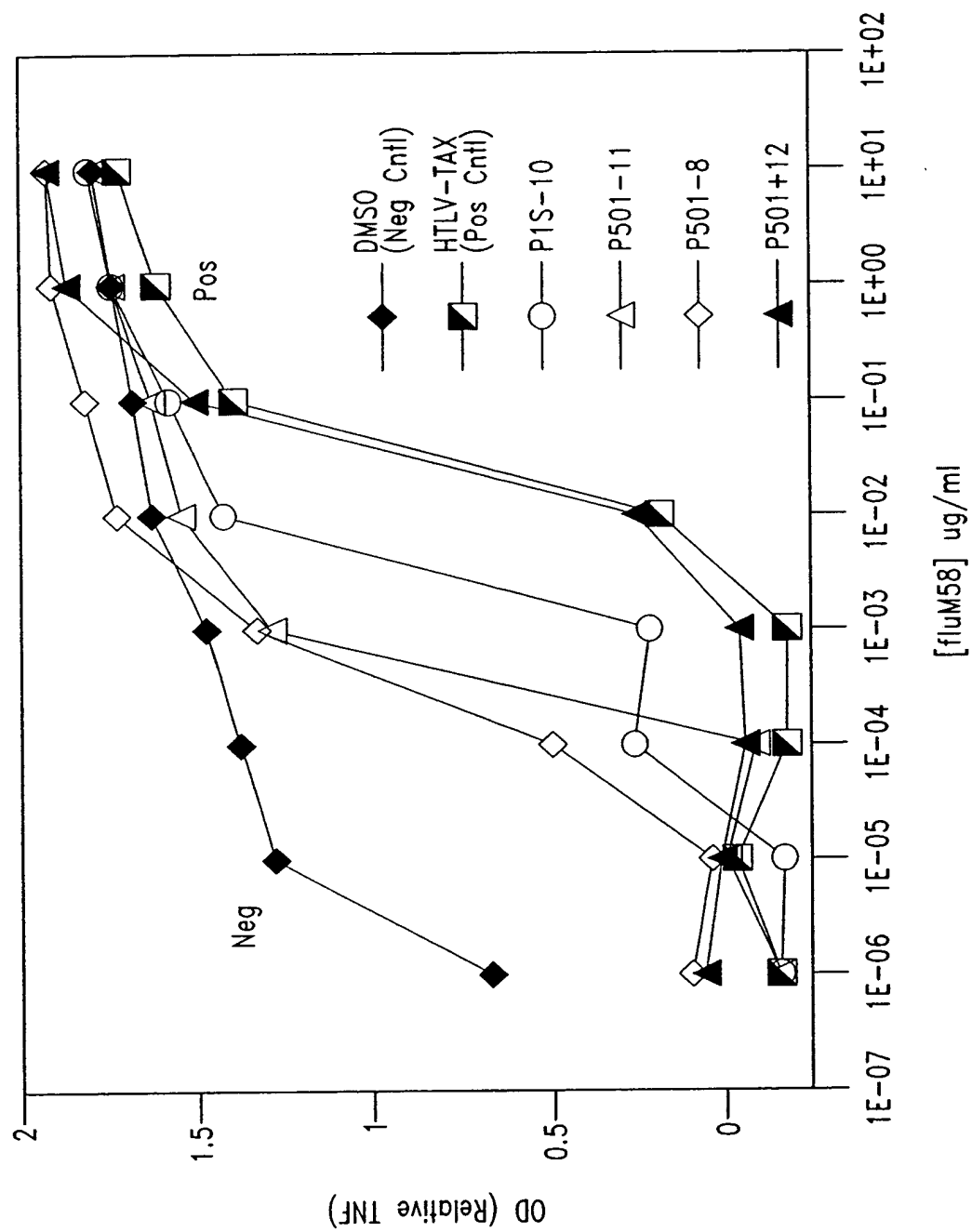
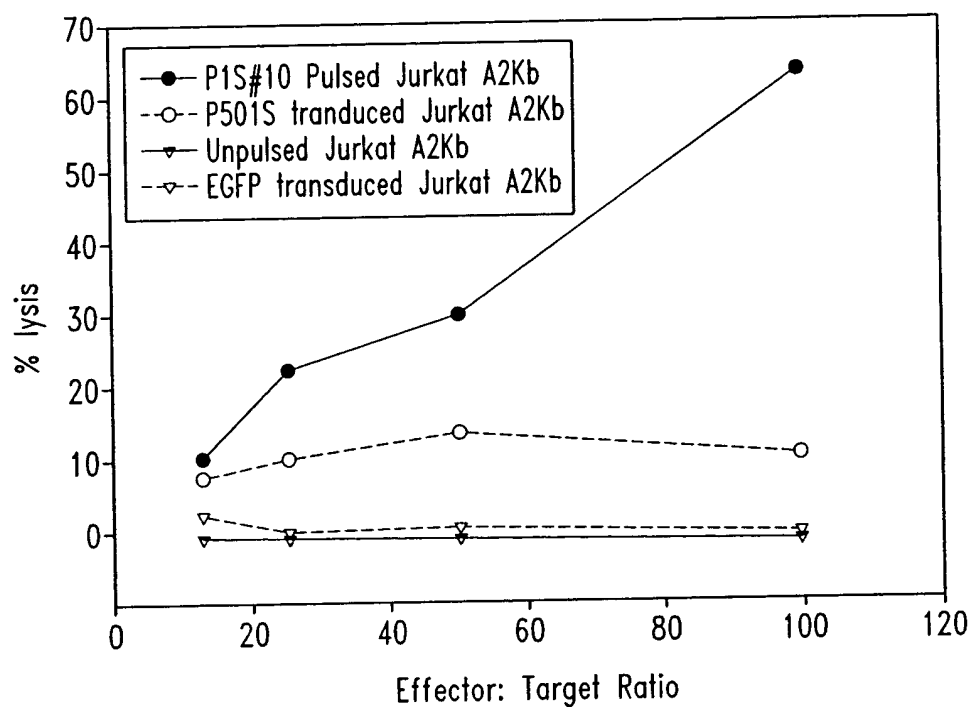
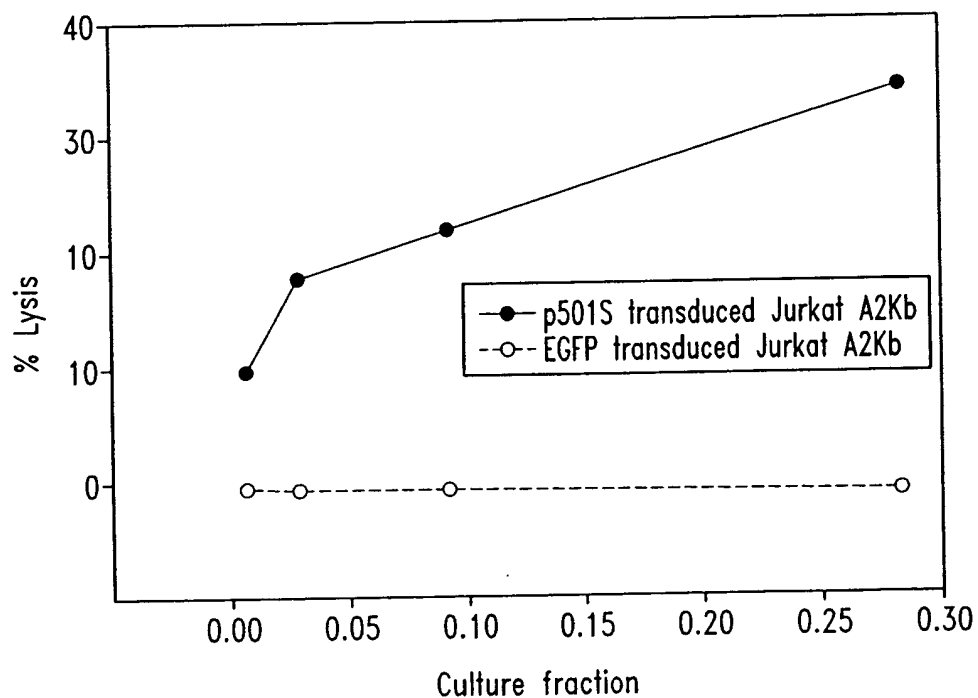


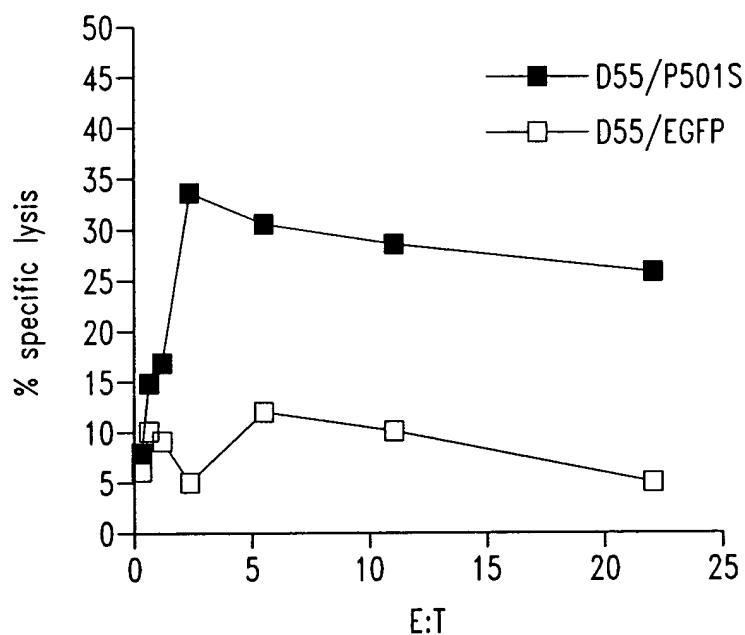
Fig. 3



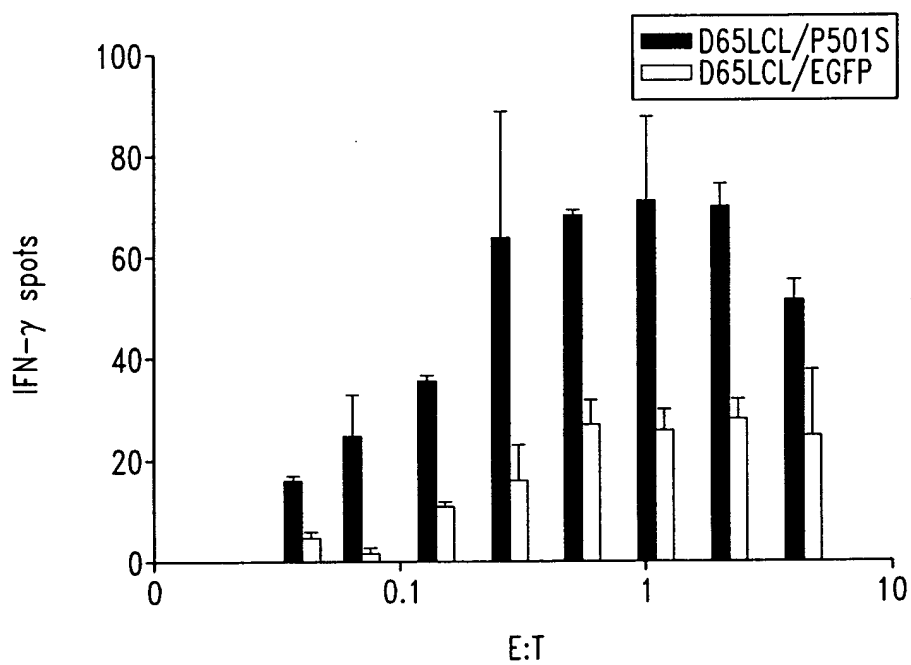
*Fig. 4*



*Fig. 5*

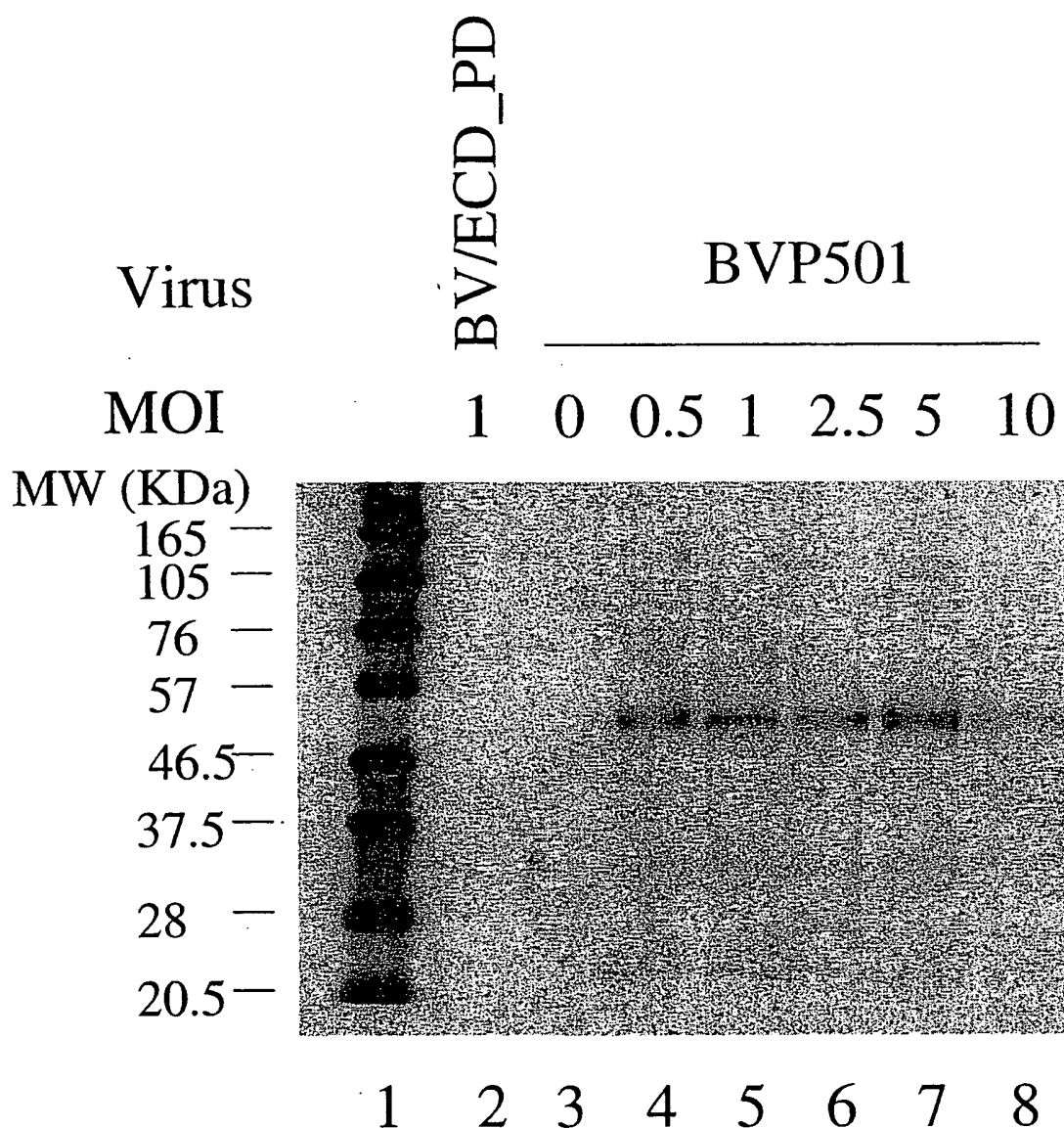


*Fig. 6A*



*Fig. 6B*

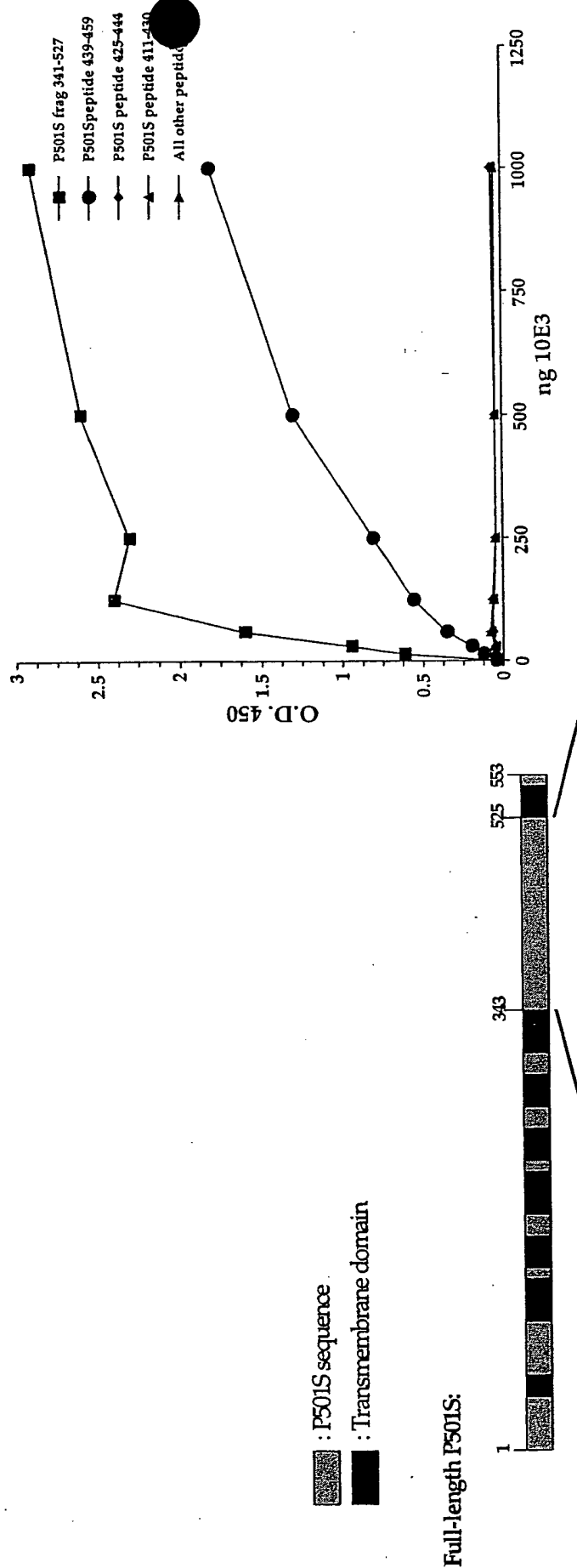
# Expression of P501S by the Baculovirus Expression System



0.6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD\_PD (lane 2), without virus (lane 3), or with recombinant baculovirus for P501 at different MOIs (lane 4 – 8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

Fig. 7

# Figure 8. Mapping of the epitope recognized by 10E3-G4-D3



P501S fragment used for immunization:

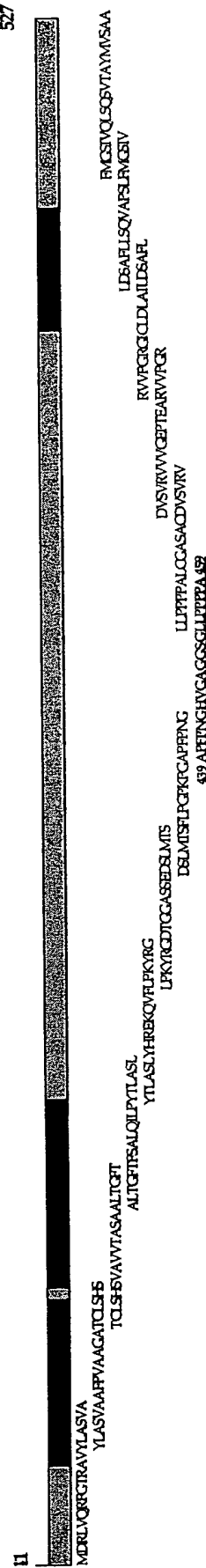


Fig. 8

7

# Figure 1. Schematic of P501S with predicted transmembrane, cytoplasmic, and extracellular regions

MVQRLWSSRLIRK AQLLEYNLETTGLEVCLAAQT VVPPLELEVGVREKFM TIVLIGCPVGLCYPIILGSAS  
 DWWRGRYGRRRP EIWALSGLLESLFIPRAGWL AGLTCDPPRPLE LALLHGVGLLDFCGQVCFITPL  
 EALLSGLFRDPDHCRO AYSVYAFKHSLSGGTGYTETPAI DWVETSACADPYLCTQHE  
 CLPGLTTLFLTQYNAATLY AEEAATGPTETPAAGHSAPVSPHCPTRARLAFRNIGALLPRG  
 DDLCTRAPRTLR LPYALHCSYMAIAHFTTYTIP YEGGLYQGVPIRAKPTLARRIYDEGYR  
 MDSLGLFLQCAISLYFSLYM DRVQREGCTRAVYAS VAAFPVAAGATCLSHSYAVYTA SAA  
 LTGEITSALQILPYTLASLY HREKQVFLPKYRGDTGASSEDSTATSEFLPGPKPGAPFPNGHVGAGGSGL  
 LPPPPALCGASACDVSVRVVRVGEPTEARVVPKRG ICLHAILDPAFLLSQVAPSLF MGSIVQLSQS  
 VTAYMVSAAGILYALYFAT QVVFEDKSDIAKYSY

Underlined sequence: Predicted transmembrane domain; Bold sequence: Predicted extracellular domain;  
 Italic sequence: Predicted intracellular domain. Sequence in bold/underlined: used to generate polyclonal rabbit serum  
 Localization of domains predicted using IMNITOP (C.F. Tuszynski and L. Simon (1998) Principles  
 Governing Amino Acid Composition of Integral Membrane Proteins: Applications to topology Prediction. J.Mol Biol. 283,  
 489-506.

Fig. 9



# Genomic Map of (5) Corixa Candidate Genes

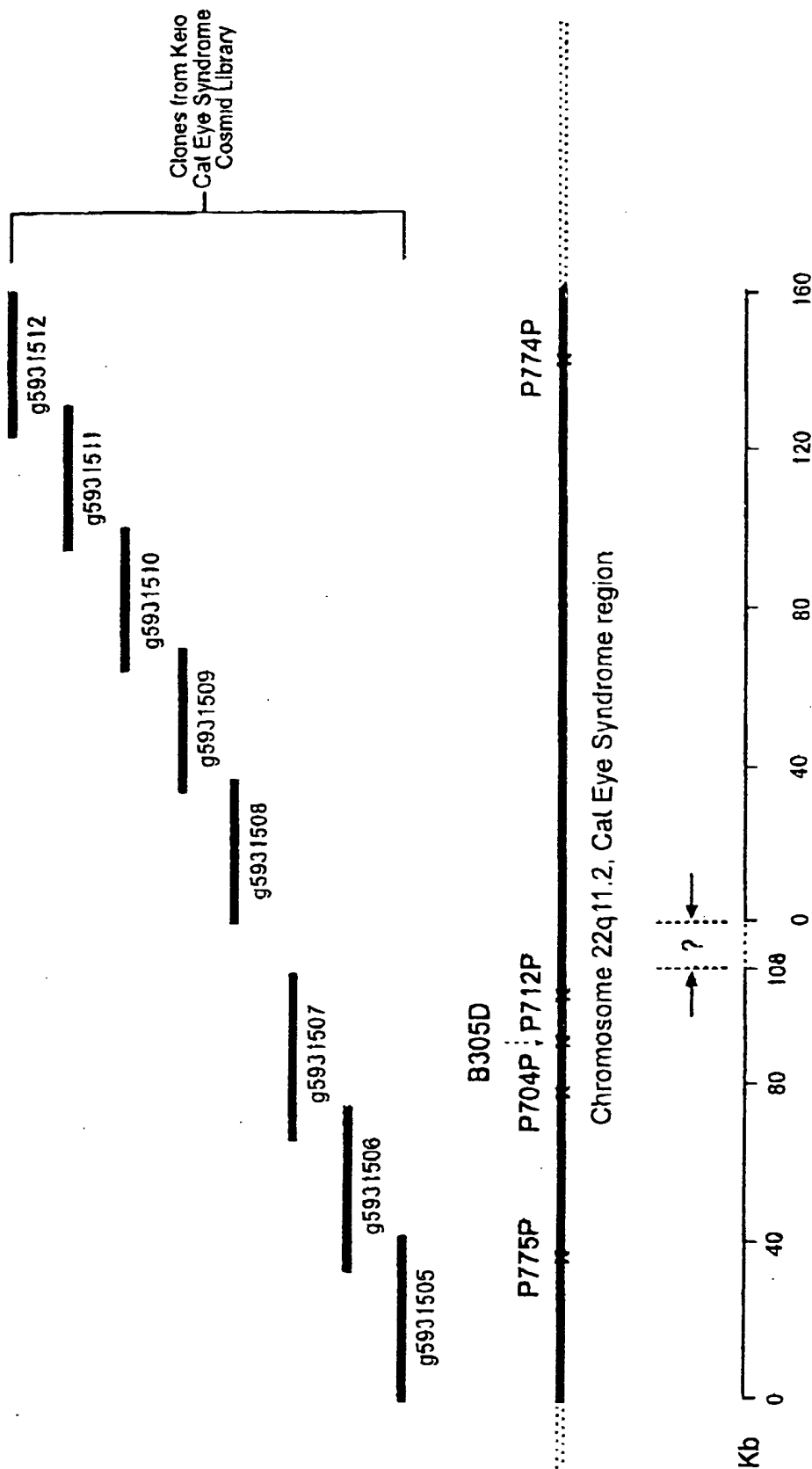


Fig. 10

FIGURE 4. Elisa assay of rabbit polyclonal antibody specificity

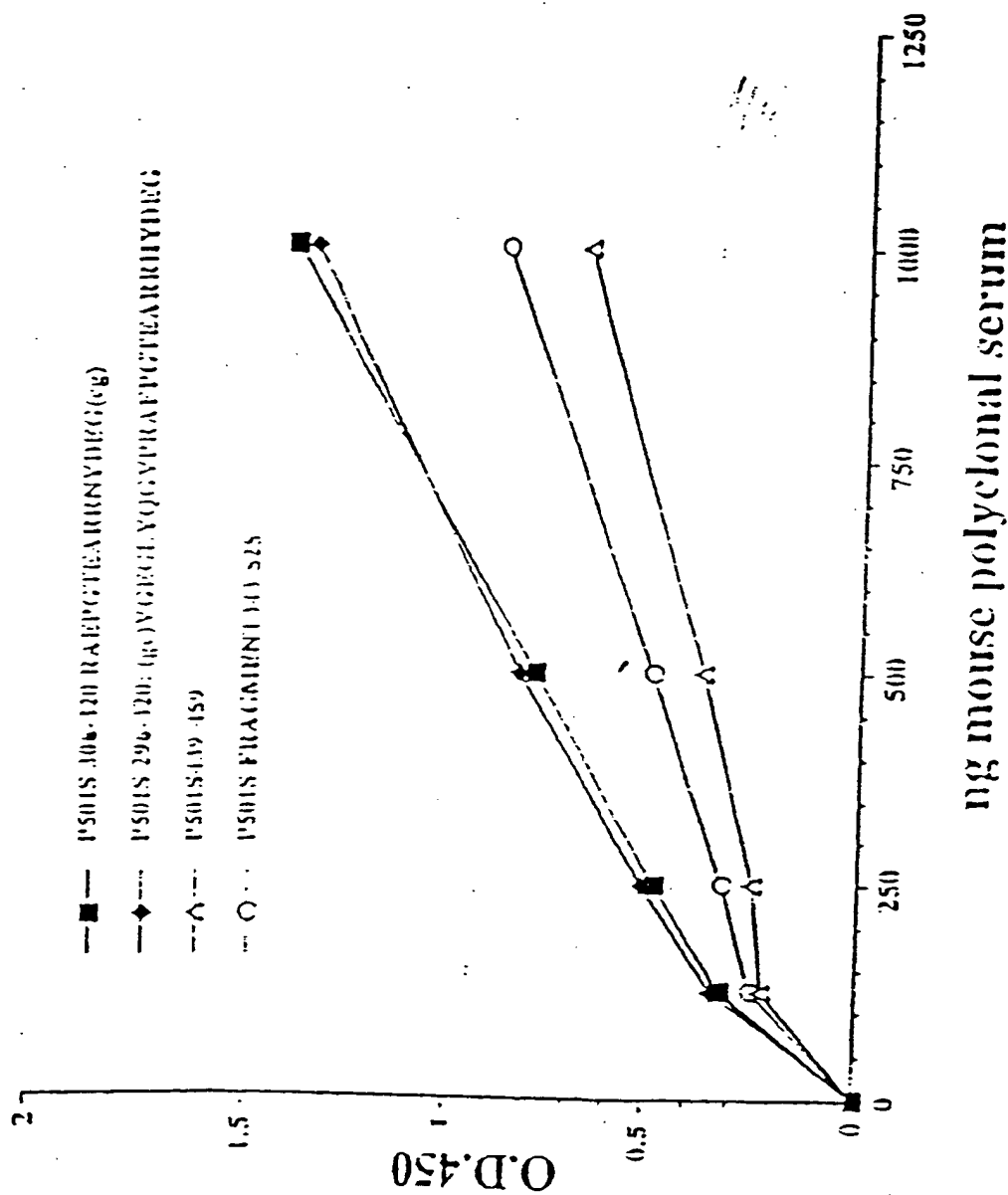


Fig. 11



2110	2120	2130	2140	2150	2160	2170
<p>TCCTGTGTCTGTTTATTATACCTTGGTGGGCTGTGGCTTTGTATCATTTAGGAATAACCTGTCGACA 2170</p> <p>AGCACAAGAAGCTGCTTTGGTACTATGTGGGTTCTTCACCTCCCCCTTCGTGGTCTTCTCCTGGAATGT 2240</p> <p>GGTCTTCTACATCGCCTTCTCCTGCTGTTCCTACGTGCTGCTCATGGATTTCATTCCGTGCCACAC 2310</p> <p>CCCCCGAGCTGCTCCTGTACTCCTGGTCTTTGTCTCTTCTGTGATGAAGTCAGACAGTGGTACGTAA 2380</p> <p>ATGGGGTGAATTATTTTACTGACCTGTGGAATGTGATGGACACGCTGGGGCTTTTTTACTTCATAGCAGG 2450</p>						
2460	2470	2480	2490	2500	2510	2520
<p>AATTGTATTTGGGCTCCACTCTTCTAATAAAAGCTCTTTGTATTCTGGACGAGTCATTTTCTGTCTGGAC 2520</p> <p>TACATTATTTTCACTCTAAGATTGATCCACATTTTACTGTAAGCAGAACTTAGGACCCAAGATTATAA 2590</p> <p>TGCTGCAGAGGAI GCTGATCGATGTGTCTTCTCCTGTTCTCTTTGCGGTGTGGATGGTGGCCTTTGG 2660</p> <p>CGTGGCCAGGCAAGGGATCCTTAGGCAGAAATGAGCAGGCTGGAGGTGGATATTCCGTTCCGTTCATCTAC 2730</p> <p>GAGCCCTACCTGGCCATGTTCCGCCAGGTCCTCAGTGAAGTGGATGGTACCACSTATGACTTTGCCCACT 2800</p>						
2810	2820	2830	2840	2850	2860	2870
<p>GCACCTTCACTGGGAATGAGTCCAAGCCACTGTGTGTGGAGCTGATGAGCACAACCTGCCCGGTTCCC 2870</p> <p>CGAGTGGATCACCATCCCCCTGGTGTGCATCTACATGTTATCCACCAACATCCTGCTGGTCAACCTGCTG 2940</p> <p>GTCGCCATGTTTGGCTACACGGTGGGCACCGTCCAGGAGAACAATGAGCAGGTCTGGAAGTCCAGAGGT 3010</p> <p>ACTTCTTGTTCAGGAGTACTGCAAGCCGCTCAATATCCCCCTTCCCCCTCATCTCTTGGCTTACTTCTA 3080</p> <p>CATGGTGTGAGGAAGTGTTCAGTGTGTGCAAGGAGAAAAATGAGTCTTCTGTCTGTCTGTTTC 3150</p>						
3160	3170	3180	3190	3200	3210	3220
<p>AAAAATGAAGACAATGAGACTCTGGCATGGGAGGGTGTGATGAAGGAAAACCTACCTTGTCAAGATCAACA 3220</p> <p>CAAAAGCCCAACGACACCTCAGAGGAAATGAGGCAATGATTTAGACAACTGGATAGAAAGCTTAATGATCT 3290</p> <p>CAAGGGCTCTTCTGAAAGAGATTGCTTAATAAAATCAAAATAAACTGTATGAACTCTAATGGAGAAAAATC 3360</p> <p>TAATTATAGCAAGATCATATTAAGGAATGCTGATGAACATTTTGGTATCGACTACTAAATGASAGATTT 3430</p> <p>TCAGACCCCTGGGTACATGGTGGATGATTTAAATCAGCTTAGTGTCTGAGACCTTGAGAATAAAGTGT 3500</p>						
3510	3520	3530	3540	3550	3560	3570
<p>GTGATTGGTCTTCACTACTTGAAGAGGGATATAAGGAAGAATATTTCTTTATGTGTTCTCCAGAATGGT 3570</p> <p>GCTGTCTTCTCTCTGTGTCTCAATGCCCTGGGACTGGAGGTGATAGTTTAAAGTGTGTCTTACCGCCTCC 3640</p> <p>TTTTTCTTTTAACTCTTATTTTGGATGAACACATATAGGAGAAACATCTATCCTATGAATAAGAACCTGG 3710</p> <p>TCATGCTTTACTCCTGTATTGTATTTTGTTCATTTCCAAATGATTCTCTACTTTTTCCCTTTTGTATT 3780</p> <p>ATGTSACTAATTAGTTGGCATATTGTTAAAGTCTCTCAAAATAGGCCAGATTCTAAAACATGCTGCAGC 3850</p>						
3860	3870	3880	3890	3900	3910	3920
<p>AAGAGGACCCCGCTCTCTTCAAGGAAAAGTGTTCATTTCTCAGGATGCTTTCTTACCTGTGAGAGGAGGT 3920</p> <p>GACAAGGCAGTCTCTTGTCTCTTGGACTCAGCAGGCTCTATTGAAGGAACACCCCGCATTCCTAAATA 3990</p> <p>TGTGAAAAGTCCCCAAAAATGCAACCTTGAAAGGCACTACTGACTTTGTCTTATTGGATCTCCTCTTA 4060</p> <p>TTTATTATTTTCCATTAAAAAATAGGTGGGTATTAGAAAAATTTAGACCATACAGAGATGTAGAAA 4130</p> <p>GAACATAAATGTCCCGATTACCTTAAGGTAATCAGTGTAAACAATTTCTGGATGGTTTTTCAAGTCTAT 4200</p>						
4210	4220	4230	4240	4250	4260	4270
<p>TTTTTTCTATGATGTCTCAAATCTCTTTCAAAATTTACAGAAATGTTATCATACTACATATATACTTT 4270</p> <p>TTATGTAAGCTTTTTCTACTAGTATTTTATCAAAATATGTTTTATTATATTCATAGCCTTCTTAAACATT 4340</p> <p>ATATCAATAAATTCATATATAGGCAACCTCTAGCGATTACATAAATTTGTCTCATGGAAGGCTATCTCCAG 4410</p> <p>TTGATCATTTGGGATGAGCATCTTTGTGCAATGAATCTATTGGCTGATTTGGGAAAAATTTCCAAAGGTTAG 4480</p> <p>ATTCCAAATAAATACTATTTATTATTAATAATTAATAATATGATTTATTATTAAACCATTTTATAGGCT 4550</p>						

Fig. 12A(2)



